GURUDAS COLLEGE
(GOVT. SPONSORED)
NARIKELDANGA,KOLKATA-700054

Academic Session: _2019-2020
Semester: I
Dept. of: COMPUTER SCIENCE
Name of the Teacher: SONALI GUPTA

Hons. – CC 2(THEORY AND PRACTICAL)	
Topics allotted	Mode of teaching (Project, lecture etc.)
PROGRAMMING FUNDAMENTAL USING C- 1. INTRODUCTION 2. C-PROGRAMMING ELEMENTS 3. FUNCTION 4. POINTER 5. FILE ACCESS	LECTURES, ASSIGNMENTS, GROUP DISCUSSION, PROGRAMMING IN C IN UNIX ENVIORONMENT.
DSE	
Topics allotted	Mode of teaching (Project, lecture etc.)
Generic Elective / CC1(THEORY)	
Topics allotted	Mode of teaching (Project, lecture etc.)
COMPUTER FUNDAMENTAL AND DIGITAL LOGIC DESIGN 1. COMPUTER FUNDAMENTAL 2. COMBINATIONAL CIRCUITS	LECTURES, ASSIGNMENTS, GROUP DISCUSSION.
DSE	
Topics allotted	Mode of teaching (Project, lecture etc.)
AECC / SEC	
Topics allotted	Mode of teaching (Project, lecture etc.)

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Academic Session: _2019-20
Semester: III
Dept. of: COMPUTER SCIENCE
Name of the Teacher: SONALI GUPTA

Hons. – CC 5(THEORY)	
Topics allotted	Mode of teaching (Project, lecture etc.)
COMPUTER ORGANIZATON AND ARCHITECTURE COMPLETE THEORY SYLLABUS AS MENTIONED IN THE SYLLABUS	LECTURES, ASSIGNMENTS, GROUP DISCUSSION.
DSE	
Topics allotted	Mode of teaching (Project, lecture etc.)
Generic Elective / CC2 (THEORY)	
Topics allotted	Mode of teaching (Project, lecture etc.)
COMPUTER ORGANIZATON AND ARCHITECTURE COMPLETE THEORY SYLLABUS AS MENTIONED IN THE SYLLABUS	LECTURES, ASSIGNMENTS, GROUP DISCUSSION.
DSE	
Topics allotted	Mode of teaching (Project, lecture etc.)
AECC / SEC	
Topics allotted	Mode of teaching (Project, lecture etc.)

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Implementation Report: SEM I

Hons. – CC 2(THEORY AND PRACTICAL)

PROGRAMMING FUNDAMENTAL USING C-

1. The students have complete knowledge of C language.
2. Students will able to develop logics which will help them to create programs, applications in C. Also by learning the basic programming constructs they can switch over to any other language in future.
3. One powerful reason of C language is memory allocation. Unlike most programming languages C allows the programmer to write directly to memory by using pointers. Students have learnt how to handle pointers in C.
4. To familiar with the basic concepts used in C programming language like functions, iteration, arithmetic and logical, bit wise operators operations.
5. By learning functions in C the students able to perform different operations using call by value and call by reference and recursion.
6. The students get familiar of handling file through C program. They can modify, read, and write into word file using C language.
7. They can handle abstract data type such as structure, pointer and array in C programs.
8. They know how to work in UNIX and Windows environment.

Generic Elective / CC1(THEORY)

COMPUTER FUNDAMENTAL AND DIGITAL LOGIC DESIGN

1. Students have basic knowledge about data, information, computer hardware and software.
2. They have theoretical knowledge about different types of languages (machine language, assembly language, high level language)
3. Students have basic knowledge about ALU, memory, I/O, Computer Peripherals and Combinational Circuit.

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Implementation Report: SEM II

Hons. – CC 3(THEORY AND PRACTICAL) Data Structure Theory and Lab **By the end of the course students will be able to:** 1. To impact the basic concepts of data structures and algorithms. 2. To be able to write algorithm of basic data structures. 3. To understand the abstract data types such as concepts about Linked List, Tree and Hashing. 4. To understand the performance of the implementation of basic linear data structure (Linked List) and Non linear data structure (Tree) 5. To be able to implement the abstract data type such as linked list, tree using C language.
Genl – CC-2 (Theory) ***Algorithm and*** Data Structure Theory **By the end of the course students will be able to:** 1. To impact the basic concepts of data structures and algorithms. 2. To be able to write algorithm of basic data structures. 3. To understand the abstract data types such as concepts about Linked List and Sorting algorithm. 4. To understand the performance of the implementation of basic linear data structure (Linked List).